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machines that make data move

CARData equipment adds flexibility to data communications

Designed to supplement the uses of punched paper tape, Teletype CARData equipment transmits and receives data both typed and punched on the upper portion of single or fanfold cards.

Teletype CARData equipment is particularly useful in systems where: data transmissions are of relatively short lengths; transmitted data must be subsequently separated for storage or other manipulation, such as stock withdrawal authorizations; individual cards have to be updated or replaced from among many; data must accompany a shipment of goods; and where data byproducts, such as billing inventory, or accounting cards, are needed to prepare business forms.

Reduces errors

Proved to be an effective medium for improving efficiency and reducing operator errors where repetitive entry of fixed data is involved, CARData equipment is also a convenient way to move fixed data within data communications systems.

Modular in design, CARData equipment consists of a send-receive keyboard typing punch, a reader, and an automatic hopper feed, which automatically feeds individual cards into the reader. A receive-only typing punch soon will be included.



Varied applications

The data communication uses of CARData sets in business and industry are numerous. For instance, in preparing sales orders and invoices, customers' names, addresses and product numbers can be captured on cards for repeated use; identifying parts numbers can be kept on cards to simplify inventory reporting; cards containing foreman, group, and craftsman names and numbers improve plant work reporting; computer program instructions can be entered into cards providing remote computer programming; and many other applications.

CARData keyboard typing punch

The table-model CARData send-receive keyboard typing punch provides both typing and punching on the upper portion of single or fanfold cards in

on-line data communications. This send-receive set is also capable of perforating paper tape in either on-line or local applications.

The CARData punch has a four-row keyboard similar to that of an ordinary typewriter and operates at 10 characters per second (100 words per minute) or less where required. It utilizes an 8-level code compatible with the official American Standard Code for Information Interchange. ASCII is the language of many computers and other business machines.

The set punches 10 characters per inch, with print-out along the upper edge above and six spaces behind the corresponding perforations. The CARData punch is capable of printing 64 different graphics, and suppresses the printing of code combinations not associated with printing graphics.

A sensing mechanism detects the reference hole in continuous card stock to align the subsequent card in the correct punching position, and, when desired, separates the completed card from the continuous stock. Manually, the CARData punch is controlled by an on-off power switch, a bi-directional thumb wheel for card positioning, and a pushbutton eject switch. Automatically, the unit responds to the reference hole located in prepunched feedhole cards for specific functions of rapid card separation, card eject, and print suppression.

Also included is an "end-of-card" indicator to aid in the preparation of cards. A convenient card holder and separate card collector is optional.

CARData reader

The CARData reader, including a card collector, can be used as a table-mounted unit or mounted directly on a Teletype Model 35 ASR (automatic send-receive) set. It also uses the 8-level code, and is manually controlled by an on-off power switch with three pushbuttons: START, STOP, and EJECT button (which causes cards to be ejected many times faster than the reading speed).

When used in conjunction with a Model 35 ASR, the reader START feature can be actuated from the keyboard of the ASR set to aid the operator in combining fixed data from the cards and variable data from the keyboard.

Automatic controls are provided by a "card-tape out" control actuator that senses the end of a card or tape, and stops reader operation after the last code position has been read. A card can also be ejected automatically when a preselected code combination is read by the reader. A parallel output signal is provided for control purposes or as input into an associated apparatus.

For more information

The versatility of CARData sets as well as Model 35 ASR sets is an important reason why this equipment is made for the Bell System and others who require reliable communications at the lowest possible cost.

To obtain additional information on CARData equipment or on the full line of Teletype paper tape punches and readers, as well as keyboard-punches, contact an applications engineer at our general offices address listed below.

TECHNICAL INFORMATION

Speed — 10 characters per second, 100 wpm, and 110 bauds

Code — 8-level, 11.0 unit basis (ASCII)

Cards		Length	Width
with automatic hopper feed		7 in. min.	3 in. min.
		8½ in. max.	3½ in. max.
without automatic hopper feed		3 in. min.	1⅞ in. min.
		no max.	6 in. max.

Tape — 8-level, 1 in. wide

Keyboard — 4-row, 8-level even parity

Power Requirements — 115 V AC $\pm$ 10%,
60 cps $\pm$.45 cps

Dimensions and Weight

Unit	Height	Width	Depth	Approx. Weight
Punch	9¾ in.	14½ in.	23¼ in.	54 lbs.
Reader	7½ in.	6 in.	10 in.	16 lbs.
Hopper	11½ in.	7½ in.	10 in.	20 lbs.

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